

DATA PUMP FOR PRINTING



Publication number: EP1820087 (A2)
Publication date: 2007-08-22
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Classification:
- **international:** **G06F3/12; G06K15/02; G06F3/12; G06K15/02**
- **European:** G06K15/02
Application number: EP20050807451 20051012
Priority number(s): WO2005US36935 20051012; US20040966023 20041015

Also published as:

 US2006082812 (A1)
 WO2006044598 (A2)
 WO2006044598 (A3)
 KR20070065383 (A)
 JP2008516802 (T)

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Cited documents:

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Abstract not available for EP 1820087 (A2)

Abstract of corresponding document: **US 2006082812 (A1)**

Systems and techniques for printing on a workpiece. In one implementation, a data pump is used to create a packet of image data for a print head assembly. The data pump includes multiple state machines to receive image data from an image buffer on a computer, and a serializer to gather image data from each of the state machines. Each of the state machines is configured to send image data to the serializer at a different instance in time. The serializer is configured to arrange the gathered image data according to when the serializer received the image data from each of the state machines. The data pump also includes an optical fiber communication interface to connect with a communication channel.



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(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets

(11) Veröffentlichungsnummer:

(11) Publication number:

(11) Numéro de publication:

EP 1 820 087 A0

Internationale Anmeldung veröffentlicht durch die
Weltorganisation für geistiges Eigentum unter der Nummer:

WO 2006/044598 (art. 158 des EPÜ).

International application published by the World
Intellectual Property Organisation under number:

WO 2006/044598 (art. 158 of the EPC).

Demande internationale publiée par l'Organisation
Mondiale de la Propriété sous le numéro:

WO 2006/044598 (art. 158 de la CBE).